

CLAIMS

1. A hinge comprising a base part, an arm, a connection mechanism disposed between one end part of said base part and one end part of said arm and adapted to turnably and removably, in the axial direction of said base part, connect one end part of said arm to one end part of said base part so that the other end part of said arm can approach or separate from the other end part of said base part, a lock lever turnably disposed at the other end part of said base part, and a turn biasing means for turn-biasing said lock lever in one direction, one of said other end parts of said base part and said arm which are opposing to each other in the turning direction of said arm being formed with an engagement recess which is open toward the other, said other being provided with an engagement part which is brought into said engagement recess through its opening part when said arm is turned to a predetermined attachment position in a direction approaching the other end part of said base part, said lock lever being provided at one end part thereof with a lock part, said lock part being brought into engagement with the other end part of said arm located in said attachment position so that said arm is prevented from turning in a direction away from said attachment position when said lock lever is turned to a predetermined lock position in said one direction by a biasing force of said turn biasing means, said lock part being separated from the other end part of said arm to allow the other end part of said arm to turn in the separating direction so that said engagement part can escape from said engagement recess when said lock lever is turned in the other direction from said lock position,

wherein said lock lever being provided at one end part thereof with a pressing part, said pressing part being butted with the other end part of said arm located in said attachment position, to turn the other end part of said arm in a separating direction from the other end part of said base part so

that said engagement part can escape from said engagement recess when said lock lever is turned in said other direction from said lock position against the biasing force of said turn biasing means.

2. A hinge according to claim 1, wherein said connection mechanism includes a support recess formed in one end part of one of said base part and said arm and a connection pin part disposed at one end part of the other of said base part and said arm, said support recess being disposed with a longitudinal direction of said support recess placed in a longitudinal direction of the above-mentioned one of said base part and said arm, said connection pin part being inserted in said support recess, through an opening part of said support recess, until said connection pin part reaches a bottom part of said support recess and turnably supported by the bottom part of said support recess, thereby turnably connecting one end part of said arm to one end part of said base plate.

3. A hinge according to claim 1, wherein said engagement recess and said engagement part are set to be equal to each other in width in the longitudinal direction of said base part, so that when said engagement part is brought into said engagement recess, said arm is non-movably connected to said base part in the longitudinal direction of said base part.

4. A hinge according to claim 3, wherein the opening side end part of said engagement recess is connected with an introduction part for allowing said engagement part to be brought into said engagement recess when said arm is approachingly turned to said attachment position, and the width of said introduction part in the longitudinal direction of said base part is set to be larger than the width of said engagement part in the same direction, so that said pressing part causes said arm to turn in a direction separating from said

attachment position until said engagement part escapes from said engagement recess to said introduction part when said lock lever is turned in the other direction from said engagement position against the biasing force of said turn biasing means.

5. A hinge according to claim 1, wherein said lock lever is turn biased further in the above-mentioned one direction from said lock position by said turn biasing means, and said lock part is caused to push the other end part of said arm in the direction approaching the other end part of said base part by the biasing force of said turn biasing means, so that said engagement part is pressed against the bottom part of said engagement recess.

6. A hinge according to claim 1, wherein a lock retaining means is disposed between one of said base part and said arm and said lock lever, said lock retaining means being adapted to prevent said lock lever from turning in the other direction from said lock position against the biasing force of said turn biasing means.

7. A hinge according to claim 6, wherein said lock retaining means is a turning member turnably disposed at said arm such that one end part of said lock retaining means is movable between said lock position and said unlock position, when said turning member is turned to said lock position, the other end part of said turning member is engaged with said lock lever located in said lock position to prevent said lock lever from turning in the other direction from said lock position, and when said turning member is turned to said unlock position, the other end part of said turning member is separated from said lock lever located in said lock position to allow said lock lever to turn in the other direction from said lock position.

8. A hinge according to claim 6, wherein said lock retaining means is a movable member movably disposed at said base part such that said movable member is lineally movable between said lock position and said unlock position, when said movable member is moved to said lock position, said movable member is engaged with said lock lever located in said lock position to prevent said lock lever from moving in the other direction from said lock position, and when said movable member is moved to said unlock position, said movable member is separated from said lock lever located in said lock position to allow said lock lever to turn in the other direction from said lock position.